

emed[®]-n50

emed[®] pedography platforms are accurate electronic systems for recording and evaluating pressure distribution under the foot in static and dynamic conditions.



Technical data for the emed[®]-n50 platform:

dimensions (mm)	700 x 403 x 15,5 (18)
sensor area (mm)	475 x 320
number of sensors	6,080
resolution (sensors/cm ²)	4
frequency (Hz)	50
pressure range (kPa)	10 - 1,270
pressure threshold (kPa)	10
accuracy (% ZAS)	± 5
hysteresis (%)	< 3
temperature range (°C)	10 - 40
max. total force (N)	193,000
cross talk (db)	- 40
cable length (m)	5
synchronisation	sync-out pulse at start

emed[®]-q100

emed[®] platforms operate with calibrated capacitive sensors and are certified medical products.



Technical data for the emed[®]-q100 platform:

dimensions (mm)	700 x 403 x 15,5 (18)
sensor area (mm)	475 x 320
number of sensors	6,080
resolution (sensors/cm ²)	4
frequency (Hz)	100
pressure range (kPa)	10 - 1,270
pressure threshold (kPa)	10
accuracy (% ZAS)	± 5
hysteresis (%)	< 3
temperature range (°C)	10 - 40
max. total force (N)	193,000
cross talk (db)	- 40
cable length (m)	5
synchronisation	sync-out pulse at start

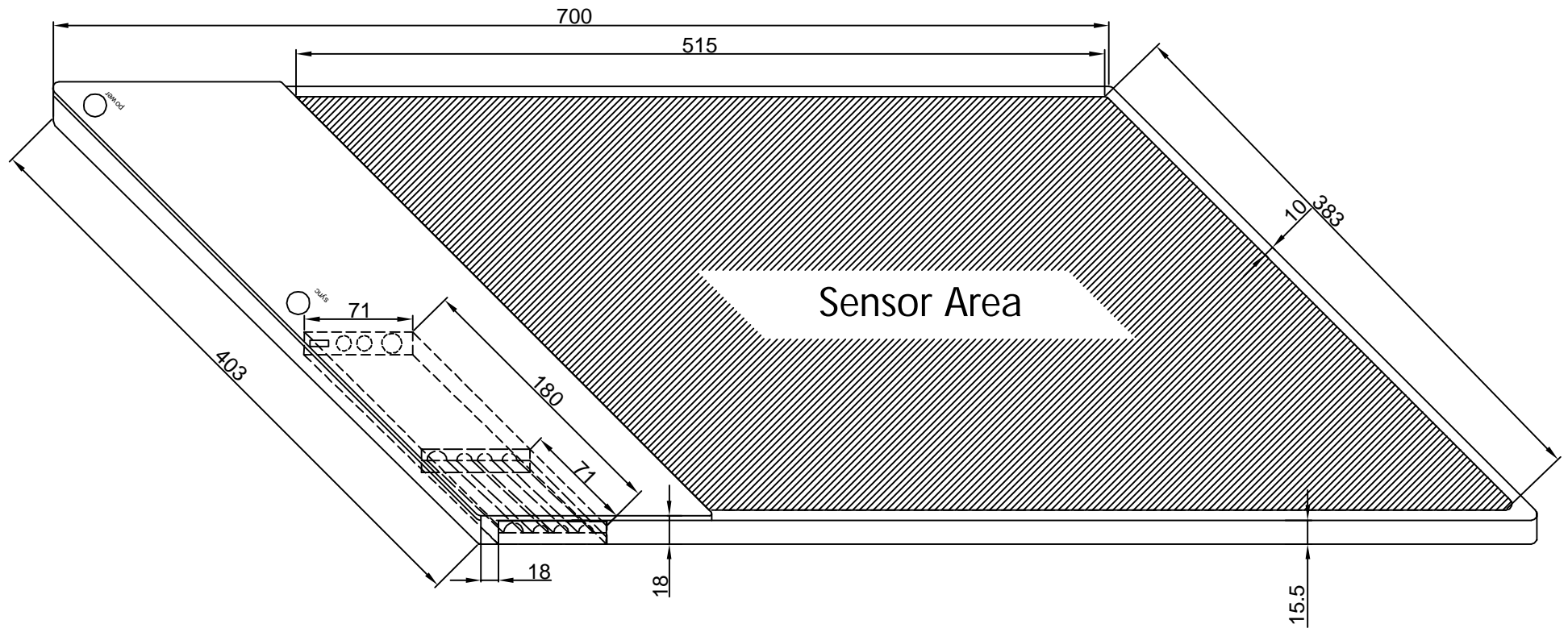
emed[®]-x400

emed[®] systems measure accurately foot pressure and body weight in static and dynamic mode and start recording automatically when the subject's foot contacts the platform.



Technical data for the emed[®]-x400 platform:

dimensions (mm)	700 x 403 x 15,5 (18)
sensor area (mm)	475 x 320
number of sensors	6,080
resolution (sensors/cm ²)	1 or 4
frequency (Hz)	400 or 100
pressure range (kPa)	10 - 1,270
pressure threshold (kPa)	10
accuracy (% ZAS)	± 5
hysteresis (%)	< 3
temperature range (°C)	10 - 40
max. total force (N)	193,000
cross talk (db)	- 40
cable length (m)	5
synchronisation	sync-out/in



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				(Werkstoff, Halbzeug) (Rohteil-Nr) (Modell- oder Gesenk-Nr)			
		Datum	Name	emed-n / emed-q / emed-x Plattform (with new connector-terminal)			
		Bearb.	03.06.11 MD				
		Gepr.	03.06.11 AG				
		Norm.		copyright© 2011			
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				Blätter			



Home > emed



Products

- Home
- About
- Overview
- Product Applications
- ▶ emed
 - pedographic analysis
 - healthy foot
 - diabetic foot
 - TV presenter walking
 - jumping with emed
 - kids on emed platform
 - lateral forefoot testing
 - chimp gait
- pedar
- pliance
- Medical
- Industrial
- Sensors
- Software
- Hardware
- Flyers
- Price Examples
- Product Sitemap

The emed-systems

Visit [applications of emed](#) and [emed-software](#)

emed-hardware:

- are portable platform measuring systems
- get connected via USB to laptop or desktop computers; MS Windows XP or Windows 7 required
- measure foot pressure in static and dynamic mode
- start recording automatically when the subject's foot touches the platform
- data acquisition can be controlled by novel database



emed pedography platforms are accurate electronic systems for recording and evaluating pressure distribution under the foot in static and dynamic conditions.

emed pedography systems

The emed systems belong to the family of novel pedography measurement platforms. All the scientific emed platforms operate with calibrated capacitive sensors.

Features:

- require Windows XP or Windows 7 operating system
- accurately measure foot pressure and body weight in static and dynamic mode
- start recording automatically when the

- subject's foot contacts the platform
- start from novel databases
- link with novel foot report software

The emed measuring software controls the emed platform and collects and displays the plantar pressure data of the foot.

The following levels of emed measuring software are available:



The high-end emed systems

- work with notebook or desktop PC's
- connect directly to USB interface of PC
- contain calibrated capacitive sensors
- have a built-in synchronisation LED
- supply sync pulse at first loaded frame
- include extensive scientific software for patient monitoring and foot analysis
- can be started from novel databases

emed-x400

- adjustable resolution to 1 or 4 sensors/cm²
- allows frame rates of up to 400 Hz
- supplies frame by frame in- and out- synchronisation for analysis of motion, digital video and EMG

emed-q100

- resolution of 4 sensors/cm² at frame rate of 100 Hz

emed-n50

- resolution of 4 sensors/cm² at frame rate of 50 Hz

Technical specification of emed-x400 / q100 / n50 platforms

Platform (schematic drawing)	emed-x400 / q100 / n50
dimension (mm)	700 x 403 x 15.5(18)
sensor area(mm)	475 x 320
number of sensors	6080
resolution (sensors/ cm ²)	1 or 4 / 4 / 4
frequency (Hz)	400 or 100 / 100 / 50
pressure range (kPa)	10-1270
pressure threshold (kPa)	10
accuracy	±5% ZAS
hysteresis	<3%
temperature range (°C)	10-40
max. total force (N)	193000
cross talk (db)	-40
cable length (m)	5

The basic versions of emed systems

- work with notebook or desktop PC's
- connect to serial or USB interface of the PC
- contain calibrated capacitive sensors
- have a built-in synchronisation LED
- measure foot pressure in static and dynamic mode
- include user friendly software for quick and easy foot analysis
- are fully compatible with all novel scientific analysis software
- can be operated from novel databases

Technical specification of emed-c50 platform

Platform (schematic drawing)	emed-c50
dimension (mm)	610 x 323 x 15.5(18)
sensor area (mm)	395 x 240
number of sensors	3792
resolution (sensors/ cm ²)	4
frequency (Hz)	50/60
pressure range (kPa)	10-1270
pressure threshold (kPa)	10
accuracy	±5% ZAS
hysteresis	<3%
temperature range (°C)	10-40
cross talk (db)	-40
cable length (m)	5

The emed-c50 platform supplies a sync-out pulse at the first loaded frame.

Technical specification of emed-a50 platform

Platform (<u>schematic drawing</u>)	emed-a50
dimension (mm)	610 x 323 x 15.5(18)
sensor area (mm)	389 x 226
number of sensors	1760
resolution (sensors/ cm ²)	2
frequency (Hz)	50
pressure range (kPa)	10-1,270
accuracy	±7% ZAS
hysteresis	<3%
temperature range (°C)	10-40
cross talk (db)	-40
cable length (m)	5

Flyer

[emed-x400 / q100 / n50](#)

[emed-c50 / a50](#)

[Flyer emed pedography systems](#)

Drawings

[emed-x400 / q100 / n50](#)

[emed-c50 / a50](#)



pedographic analysis